

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P197607

Luminaire Tested: **TT-C1-LED-E1-MQ-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197607
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115333)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C1-LED-E1-MQ-MS/DIM-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
MEDIUM DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3632.7 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



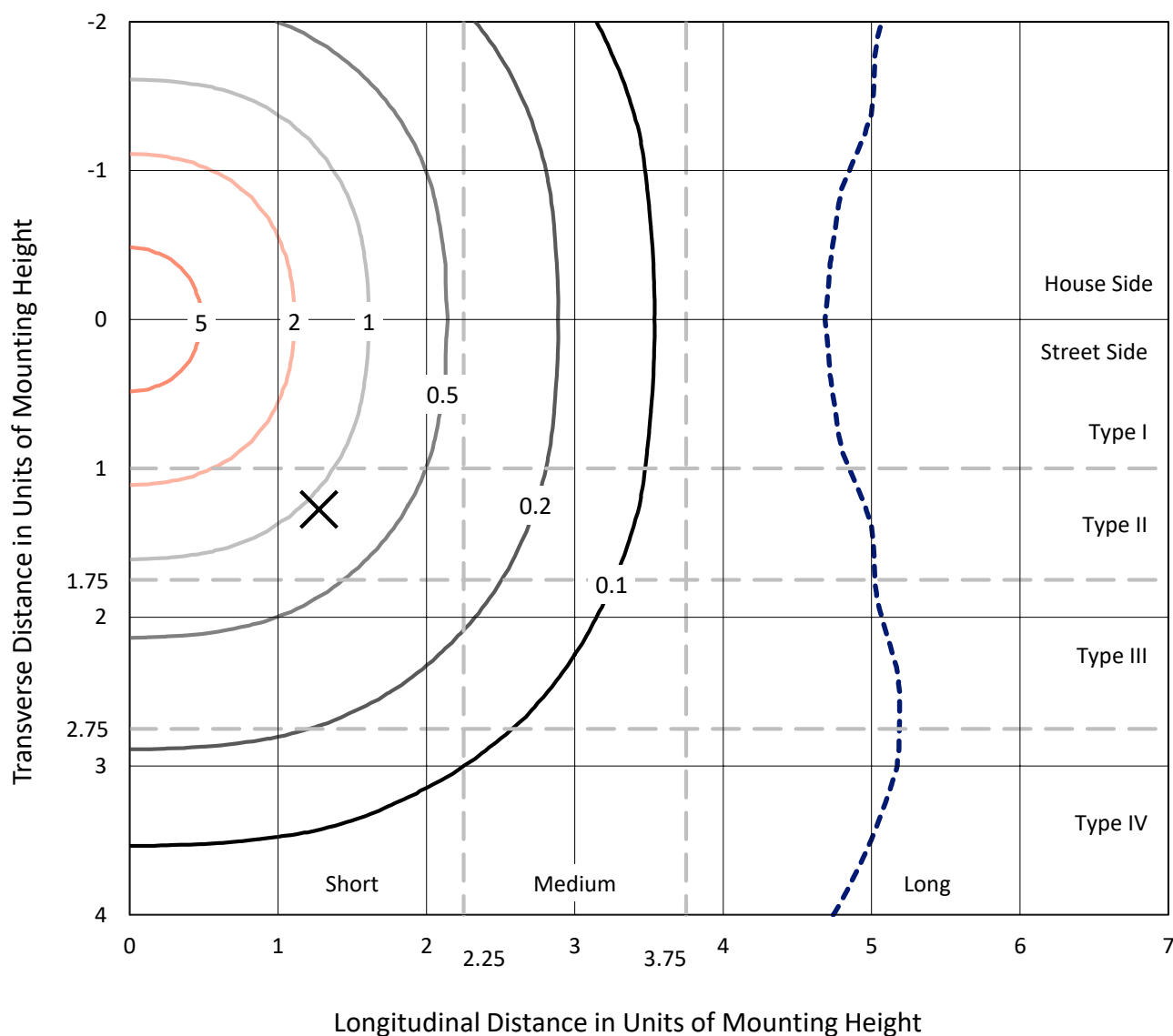
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

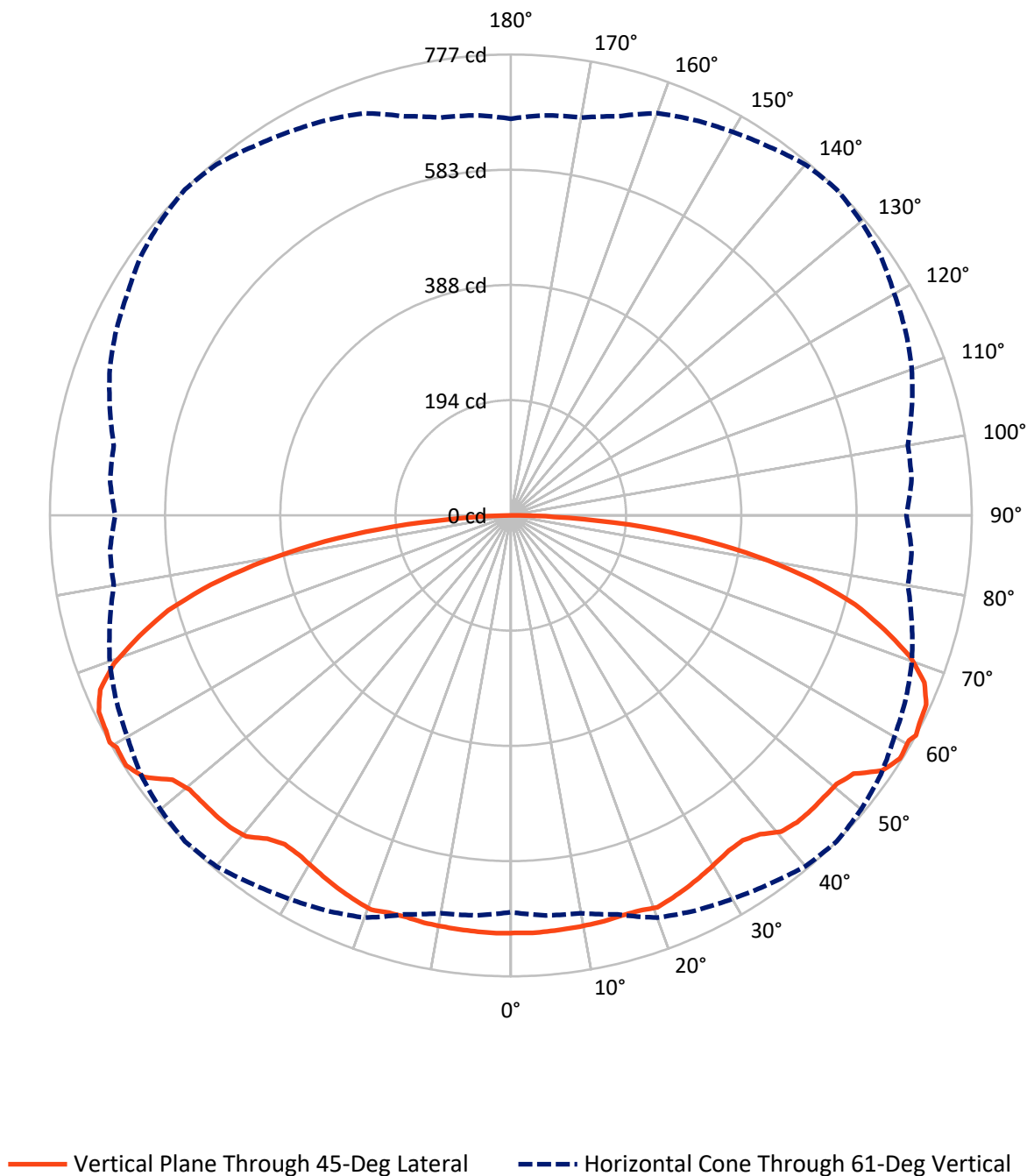


Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1816.3	0.0	1816.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1816.3	0.0	1816.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	3632.7	0.0	3632.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.1	1.8
10°-20°	198.5	5.5
20°-30°	319.4	8.8
30°-40°	423.1	11.6
40°-50°	534.3	14.7
50°-60°	640.2	17.6
60°-70°	700.0	19.3
70°-80°	560.4	15.4
80°-90°	189.6	5.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3632.7	100.0
0°-180°	3632.7	100.0

Coefficient of Utilization



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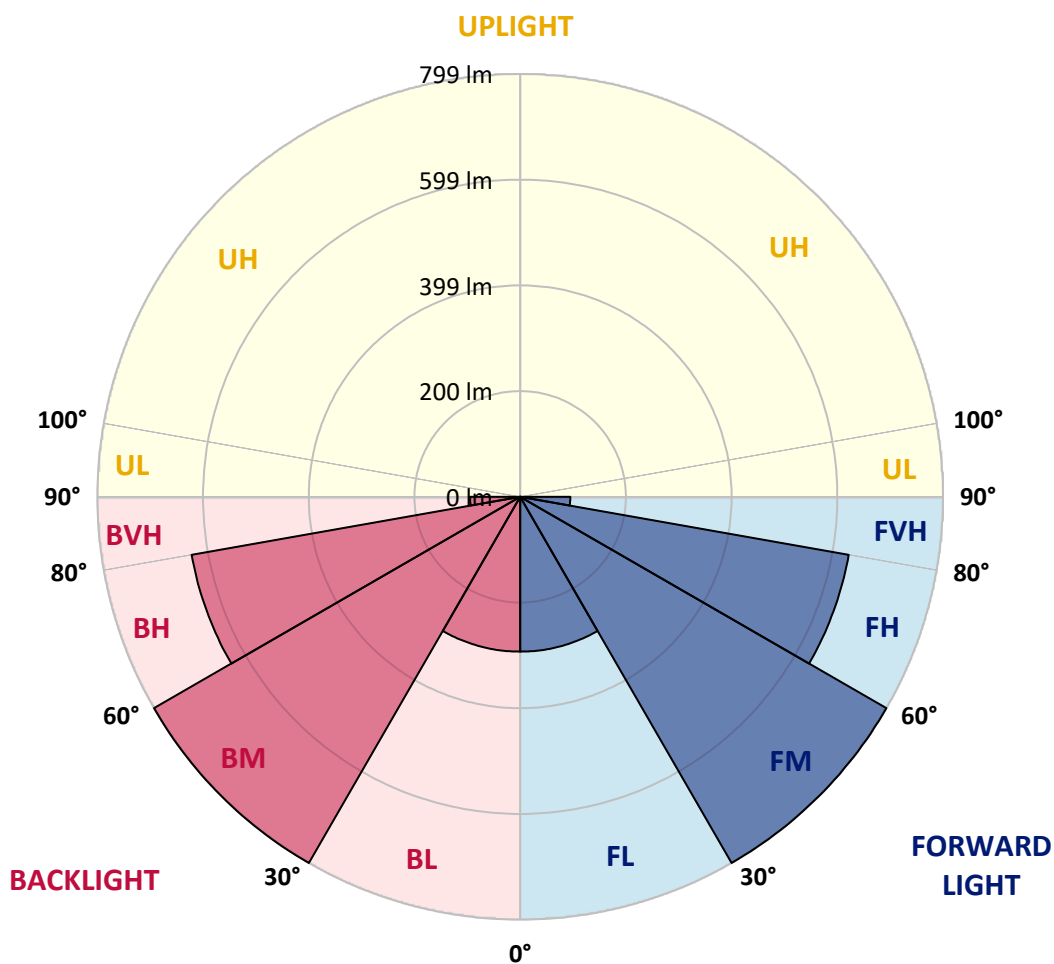
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	292.5	8.1			
FM	(30°-60°)	798.8	22.0			
FH	(60°-80°)	630.2	17.3			G0/660
FVH	(80°-90°)	94.8	2.6			G1/100
BL	(0°-30°)	292.5	8.1	B1/500		
BM	(30°-60°)	798.8	22.0	B1/1000		
BH	(60°-80°)	630.2	17.3	B2/1000		G0/660
BVH	(80°-90°)	94.8	2.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	703.8	703.8	703.8	703.8	703.8	703.8	703.8	703.8	703.8	703.8	703.8
2.5°	704.5	703.8	704.5	704.5	704.5	704.5	704.5	704.5	704.5	704.5	704.5
5°	703.8	703.8	703.8	703.8	703.8	703.8	703.8	703.8	703.8	703.8	703.8
7.5°	703.1	703.1	703.1	703.1	703.1	703.1	703.1	703.1	703.8	703.1	703.8
10°	701.8	701.8	701.8	701.8	702.4	702.4	702.4	702.4	702.4	702.4	702.4
12.5°	700.4	700.4	700.4	700.4	701.1	701.1	701.1	701.1	701.8	701.8	701.1
15°	699.0	698.4	698.4	699.0	699.0	699.7	699.7	699.7	700.4	699.7	699.7
17.5°	697.7	697.0	697.7	698.4	698.4	699.0	699.7	699.7	700.4	700.4	700.4
20°	699.7	699.0	699.7	700.4	701.1	702.4	703.1	703.8	704.5	705.1	705.1
22.5°	695.7	695.0	695.7	695.7	696.3	697.0	698.4	699.0	699.7	699.7	699.7
25°	689.6	689.6	690.2	690.2	690.9	691.6	692.3	692.9	692.9	693.6	692.9
27.5°	682.8	682.8	683.5	683.5	684.8	684.8	685.5	686.2	686.9	686.9	686.9
30°	674.7	674.7	675.4	676.1	677.4	678.1	678.8	679.5	680.1	680.1	680.1
32.5°	667.3	666.6	667.3	668.6	670.7	672.0	673.4	674.1	674.1	674.1	674.7
35°	661.2	661.9	663.2	664.6	667.3	668.6	670.0	672.0	672.7	672.7	672.7
37.5°	662.5	663.2	665.3	668.0	671.4	675.4	678.1	680.8	682.8	682.1	681.5
40°	671.4	672.7	676.1	680.1	685.5	690.9	695.0	698.4	700.4	701.1	700.4
42.5°	672.7	674.1	676.8	682.8	688.9	695.0	700.4	703.8	706.5	707.2	706.5
45°	672.0	672.0	676.1	682.8	688.9	695.0	701.8	706.5	709.2	709.2	709.2
47.5°	667.3	669.3	672.0	678.8	686.9	692.9	699.7	704.5	707.8	709.9	707.8
50°	667.3	667.3	672.0	676.8	684.2	695.0	704.5	709.2	712.6	711.9	712.6
52.5°	665.9	670.0	672.7	679.5	692.9	703.8	711.2	718.0	722.8	723.4	722.1
55°	678.1	678.8	684.8	697.7	710.6	722.8	736.3	746.5	754.6	759.3	752.5
57.5°	687.5	684.2	696.3	707.2	722.1	740.4	760.6	768.7	774.8	773.5	775.5
60°	674.7	679.5	688.2	699.7	723.4	741.7	752.5	761.3	768.7	770.8	768.1
61°	668.6	676.8	680.8	696.3	721.4	735.0	746.5	758.6	772.1	776.9	770.8
62.5°	658.5	671.4	670.0	695.0	710.6	726.1	747.8	762.0	771.5	772.8	771.5
65°	659.2	657.1	672.7	690.9	706.5	734.3	752.5	761.3	766.7	769.4	768.1
67.5°	637.5	630.7	649.7	662.5	688.9	710.6	728.2	741.1	749.2	751.9	748.5
70°	587.4	592.2	605.7	625.3	647.0	673.4	689.6	706.5	713.3	713.9	713.9
72.5°	539.4	542.1	555.6	573.9	598.9	621.9	638.1	651.7	657.8	658.5	659.8
75°	475.7	478.4	494.0	510.9	536.0	555.6	567.1	583.4	592.2	599.6	593.5
77.5°	402.0	406.7	418.9	437.2	460.2	471.0	491.3	510.3	516.4	518.4	516.4
80°	318.8	324.8	335.6	360.0	370.2	387.8	407.4	415.5	420.9	422.3	422.9
82.5°	229.4	234.2	245.7	262.5	274.1	288.3	301.8	312.0	318.1	316.7	316.1
85°	135.3	136.7	148.9	160.4	169.2	178.0	188.8	196.2	197.6	200.3	199.6
87.5°	40.6	41.3	46.7	52.8	56.8	60.9	67.7	76.5	78.5	73.1	73.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	703.8	703.8	703.8	703.8	703.8	703.8	703.8	703.8
2.5°	704.5	704.5	704.5	704.5	704.5	704.5	703.8	704.5
5°	703.8	703.8	703.8	703.8	703.8	703.8	703.8	703.8
7.5°	703.8	703.1	703.1	703.1	703.1	703.1	703.1	703.1
10°	702.4	702.4	702.4	702.4	701.8	701.8	701.8	701.8
12.5°	701.1	701.1	701.1	701.1	700.4	700.4	700.4	700.4
15°	699.7	699.7	699.7	699.7	699.0	699.0	699.0	699.0
17.5°	700.4	699.7	699.0	699.0	698.4	697.7	697.7	697.7
20°	704.5	703.8	702.4	701.1	700.4	699.7	699.7	699.7
22.5°	699.0	698.4	697.0	696.3	696.3	695.7	695.0	695.0
25°	692.9	691.6	691.6	690.9	690.9	689.6	689.6	688.9
27.5°	686.2	685.5	684.8	684.2	684.2	683.5	682.8	682.1
30°	680.1	678.8	677.4	676.8	676.1	675.4	675.4	675.4
32.5°	674.1	672.7	672.0	670.0	668.6	668.0	667.3	667.3
35°	672.0	670.0	668.6	666.6	664.6	663.2	662.5	661.2
37.5°	680.1	677.4	675.4	672.0	667.3	665.3	663.2	662.5
40°	697.7	695.0	690.9	685.5	680.1	676.1	672.7	671.4
42.5°	703.8	700.4	695.0	689.6	682.8	676.8	674.1	672.7
45°	705.8	702.4	695.0	688.2	682.1	676.8	672.7	671.4
47.5°	703.8	699.0	692.3	686.9	678.1	671.4	668.6	666.6
50°	708.5	704.5	695.7	683.5	676.1	672.0	667.3	666.6
52.5°	718.0	710.6	702.4	693.6	679.5	671.4	668.6	665.3
55°	746.5	736.3	722.1	707.8	699.0	686.2	678.1	678.1
57.5°	768.1	760.0	741.7	722.8	706.5	697.0	684.8	685.5
60°	762.0	751.2	742.4	723.4	700.4	687.5	682.8	674.1
61°	761.3	746.5	734.3	719.4	699.7	679.5	678.1	666.6
62.5°	762.7	749.2	726.1	710.6	695.7	669.3	668.6	657.8
65°	761.3	748.5	737.0	707.8	687.5	676.8	653.7	662.5
67.5°	740.4	728.9	707.8	691.6	660.5	647.0	634.1	634.1
70°	707.2	690.2	670.0	649.7	628.7	605.7	594.2	587.4
72.5°	651.7	637.5	621.2	599.6	573.9	552.9	542.1	537.3
75°	582.0	566.4	552.2	536.0	508.9	491.3	479.8	476.4
77.5°	508.9	495.4	470.3	454.8	436.5	416.2	406.0	402.0
80°	415.5	408.0	390.5	365.4	356.6	331.6	324.8	318.8
82.5°	312.0	303.9	287.6	270.0	259.2	245.0	232.8	231.5
85°	196.2	190.8	180.7	167.9	154.3	146.2	135.3	138.0
87.5°	73.1	69.7	63.6	55.5	49.4	44.0	38.6	40.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)